FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

RITA1

The following application is submitted for action by the Chief, Broadcast Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
IA	BPH -920506MD N/M	NEW 98.5MHZ	DOUBLE W, INC. CEDAR FALLS IA	CP FOR NEW FM ON FREQ: 98.5 MHZ; ERP: 25 KW (H&V); HAAT: 100 METERS (H&V); 42 28 09 92 29 05

Sherita V. White

LICENSE EXPIRATION DATE PN: MAY 15 1992

CHIEF, LICENSE DIVISION

RECOMMENDATION: GRANT( ) CONSTRUCTION DATES, START _____ END _____

CONTESTED ( ) UNCONTESTED ( )

JDD 10/13/92

APPROVED _____

FOR CHIEF, BROADCAST BUREAU

F.C.C.-WASHINGTON, D.C.

Form A-378
January 1980

FCC/MELLON MAY 06 1992

Approved by OMB
3060-0440
Expires 2/28/93

FEDERAL COMMUNICATIONS COMMISSION

FEE PROCESSING FORM

FOR FCC

(05-08-92 8195233 001

Please read instructions on back of this form before completing it. Section I MUST be completed. If you are applying for concurrent actions which require you to list more than one Fee Type Code, you must also complete Section II. This form must accompany all payments. Only one Fee Processing Form may be submitted per application or filing. Please type or print legibly. All required blocks must be completed or application/filing will be returned without action.

SECTION I

ORIGINAL

APPLICANT NAME (Last, first, middle initial)
Double W, Inc.

MAILING ADDRESS (Line 1) (Maximum 35 characters - refer to Instruction (2) on reverse of form)
c/o Fisher Wayland: CMH

MAILING ADDRESS (Line 2) (if required) (Maximum 35 characters)
1255 23rd Street, N.W., Suite 800

CITY
Washington

STATE OR COUNTRY (if foreign address)	ZIP CODE	CALL SIGN OR OTHER FCC IDENTIFIER (if applicable)
DC	20037	

Enter in Column (A) the correct Fee Type Code for the service you are applying for. Fee Type Codes may be found in FCC Fee Filing Guides. Enter in Column (B) the Fee Multiple, if applicable. Enter in Column (C) the result obtained from multiplying the value of the Fee Type Code in Column (A) by the number entered in Column (B), if any.

	(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(1)	M T R	/	$ 2,030.00	

SECTION II — To be used only when you are requesting concurrent actions which result in a requirement to list more than one Fee Type Code.

	(A) FEE TYPE CODE	(B) FEE MULTIPLE (if required)	(C) FEE DUE FOR FEE TYPE CODE IN COLUMN (A)	FOR FCC USE ONLY
(2)			$	
(3)			$	
(4)			$	
(5)			$	

ADD ALL AMOUNTS SHOWN IN COLUMN C, LINES (1) THROUGH (5), AND ENTER THE TOTAL HERE. THIS AMOUNT SHOULD EQUAL YOUR ENCLOSED REMITTANCE. →

TOTAL AMOUNT REMITTED WITH THIS APPLICATION OR FILING	FOR FCC USE ONLY
$ 2,030.00	2030 OK

This form has been authorized for reproduction.

FCC Form 155
March 1991

INSTRUCTIONS FOR COMPLETING FEE PROCESSING FORM, FCC FORM 155, March 1991

(1) **"Applicant Name"** - Enter the name (last, first, middle initial) of the applicant as it appears on the original application or filing being submitted with this Fee Processing Form. If company, enter name which is used commercially.

(2) **"Mailing Address (Line 1)"** - Enter the street address or post office box number to which the applicant wishes correspondence sent.

(3) **"Mailing Address (Line 2)"** - *This line may be used for further identification of the address if additional space is required.*

(4) **"City"** - Enter the name of the city associated with the given street address.

(5) [illegible] - Enter the appropriate two-digit state abbreviation as prescribed by the U.S. Postal Service. If address is foreign, enter the [illegible] here.

(6) **"ZIP Code"** - Enter the appropriate five or nine-digit ZIP code prescribed by the U.S. Postal Service.

(7) **"Call Sign or Other FCC Identifier"** - Enter an applicable call sign or unique FCC identifier, if any, as shown on your attached application or filing. If applying for a service affecting more than one call sign, enter one call sign only.

(8) **Column (A), "Fee Type Code"** - Enter correct Fee Type Code(s) from the appropriate Fee Filing Guide. Only one Fee Processing Form may be submitted per application or filing. Inaccurate or erroneous Fee Type Codes may result in your application or filing being returned to you without further processing.

(9) **Column (B), "Fee Multiple"** - Certain applications and filings may request action with respect to more than one station, license, frequency, or party and can be submitted together with one check if they meet specific conditions. This column is used only if a multiple, i.e., two or more, is being applied for. Examples of when this would be used are renewing more than one call sign, frequency, station, or the transfer of control of more than one station. *Refer to the appropriate Fee Filing Guide for additional information.*

(10) **Column (C), "Fee Due For Fee Type Code In Column (A)"** - Enter in this block the amount of the fee associated with the Fee Type Code shown in Column (A) (times (x) the fee multiple, if required).

(11) **"Total Amount Remitted With This Application or Filing"** - Enter the total of lines (1) through (5) of Column (C). This amount should equal the amount of your check or money order. We will not accept multiple checks.

HOW TO SUBMIT APPLICATIONS AND FILINGS

o Each application or filing should be **assembled** with the Fee Processing Form, FCC Form 155, stapled to the top of the application with the check placed on top of the Fee Processing Form. DO NOT STAPLE THE CHECK TO THE APPLICATION OR FEE PROCESSING FORM, FCC FORM 155. Required copies of applications should be clearly identified as "duplicate copy" and placed behind the original package. **"Stamp and receipt" copies should be placed on top of the original package and CLEARLY identified as return copies.** Extraneous material and extra copies should be avoided at all times. Failure to follow these instructions will delay the processing of your submission.

o Completed applications or filings should be mailed to the proper address shown in the Fee Filing Guide for the particular service for which you are applying or making a filing. **All applications and filings must be properly addressed to the appropriate P.O. box number.**

ORIGINAL

LAW OFFICES

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1255 TWENTY-THIRD STREET, N.W.

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KELLY D. YAKSICH*
ANDREW W. SHROYER*

*NOT ADMITTED IN D.C.

May 6, 1992

VIA COURIER SERVICE TO MELLON BANK

Federal Communications Commission
Mass Media Services
P.O. Box 358195
Pittsburgh, Pennsylvania 15251-5195

Re: FCC Form 301, Fee Code MTR
NEW(FM), Channel 253C3,
Cedar Falls, Iowa
Double W, Inc.
File No. BPH-920506__

Gentlemen:

Enclosed please find, in triplicate and on FCC Form 301, the application of Double W, Inc. for a construction permit for a new FM broadcast station to serve Cedar Falls, Iowa on Channel 253C3. Enclosed please also find a completed FCC Form 155 Fee Processing Form and a $2030.00 check payable to the FCC to cover the requisite filing fee.

The filing window for Channel 253C3 at Cedar Falls closes today, so this is a "time-sensitive" filing. Accordingly, pursuant to paragraph 14 of the Memorandum Opinion and Order in Gen. Docket 86-285, 5 FCC Rcd 3558 (1990), recons. granted in part, 6 FCC Rcd

Should there be any questions concerning this matter, please contact this office.

Very truly yours,

Clifford M. Harrington
John Joseph McVeigh

CMH/JJM:srf
Enclosure

5377-000

Federal Communications Commission
Washington, D. C. 20554

FCC 301

Approved by OMB
3060-0027
Expires 2/28/92
See Page 25 for information regarding public burden estimate

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

For COMMISSION Fee Use Only		For APPLICANT Fee Use Only
	FEE NO:	Is a fee submitted with this application? ☒ Yes ☐ No
	FEE TYPE:	If fee exempt (see 47 C.F.R. Section 1.1112), indicate reason therefor (check one box):
	FEE AMT:	☐ Noncommercial educational licensee ☐ Governmental entity
	ID SEQ:	FOR COMMISSION USE ONLY FILE NO. BPH-920506MD

Section I - GENERAL INFORMATION

1. Name of Applicant	Send notices and communications to the following person at the address below:
Double W, Inc.	Name Diane Winkey President, Double W, Inc.
Street Address or P.O. Box 2645 Princeton Road	Street Address or P.O. Box 2645 Princeton Road
City / State / ZIP Code	City / State / ZIP Code

Section II - LEGAL QUALIFICATIONS

Name of Applicant

Double W, Inc.

1. Applicant is: *(check one box below)*

☐ Individual	☐ General partnership	☒ For-profit corporation
☐ Other	☐ Limited partnership	☐ Not-for-profit corporation

2. If the applicant is an unincorporated association or a legal entity other than an individual, partnership, or corporation, describe in an Exhibit the nature of the application.

Exhibit No. -----

NOTE: The terms "applicant," "parties to this application," and "non-party equity owners in the applicant" are defined in the instructions for Section II of this form. Complete information as to each "party to this application" and each "non-party equity owner in the applicant" is required. If the applicant considers that to furnish complete information would pose an unreasonable burden, it may request that the Commission waive the strict terms of this requirement with appropriate justification.

3. If the applicant is not an individual, provide the date and place of filing of the applicant's enabling charter (e.g., a limited partnership must identify its certificate of limited partnership and a corporation must identify its articles of incorporation by date and place of filing):

Date April 1, 1992 Place Waterloo, Iowa

In the event there is no requirement that the enabling charter be filed with the state, the applicant shall include the enabling charter in the applicant's public inspection file. If, in the case of a partnership, the enabling charter does not include the partnership agreement itself, the applicant shall include a copy of the agreement in the applicant's public inspection file.

4. Are there any documents, instruments, contracts or understandings (written or oral), other than ☒ Yes ☐ No

Section II - LEGAL QUALIFICATIONS (Page 2)

6. List the applicant, parties to the application and non-party equity owners in the applicant. Use one column for each individual or entity. Attach additional pages if necessary.

(Read carefully - The numbered items below refer to line numbers in the following table.)

1. Name and residence of the applicant and, if applicable, its officers, directors, stockholders, or partners (if other than individual also show name, address and citizenship of natural person authorized to vote the stock). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and partners.
2. Citizenship.
3. Office or directorship held.
4. Number of shares or nature of partnership interests.
5. Number of votes.
6. Percentage of votes.
7. Other existing attributable interests in any broadcast station, including the nature and size of such interests.
8. All other ownership interests of 5% or more (whether or not attributable), as well as any corporate officership or directorship, in broadcast, cable, or newspaper entities in the same market or with overlapping signals in the same broadcast service, as described in 47 C.F.R. Section 73.3555 and 76.501, including the nature and size of such interests and the positions held.

1.	Double W, Inc. 2645 Princeton Road Iowa City, Iowa 52245	Diane Winkey 2645 Princeton Road Iowa City, Iowa 52245	Junean Witham 2009 West 1st Street Cedar Falls, Iowa 50613
2.	U.S. Corporation	U.S. Citizen	U.S. Citizen
3.	Applicant	President, Secretary and Treasurer, Director	Vice President and Director
4.	100,000	25,000	25,000
5.	100,000	25,000	25,000
6.	100%	25%	25%
7.	None	None	None
8.	None	None	None

Section 11 - Legal Qualifications
continued

1.	Steve Winkey 2645 Princeton Road Iowa City, Iowa 52245	Dick Witham 2009 West 1st Street Cedar Falls, Iowa 50613
2.	U.S. Citizen	U.S. Citizen
3.	Director	Director
4.	25,000	25,000
5.	25,000	25,000
6.	25%	25%
7.	None	None
8.	None	None

7. Does the applicant, any party to the application or any non-party equity owner in the applicant have, or have they had, any interest in:

(a) a broadcast station, or pending broadcast station application before the Commission? ☐ Yes ☒ No

(b) a broadcast application which has been dismissed with prejudice by the Commission? ☐ Yes ☒ No

(c) a broadcast application which has been denied by the Commission? ☐ Yes ☒ No

(d) a broadcast station, the license of which has been revoked? ☐ Yes ☒ No

(e) a broadcast application in any pending or concluded Commission proceeding which left unresolved character issues against the applicant? ☐ Yes ☒ No

If the answer to any of the questions in (a)-(e) above is Yes, state in an Exhibit the following information: Exhibit No. -----

(1) Name of party having interest;
(2) Nature of interest or connection, giving dates;
(3) Call letters of stations or file number of application or docket; and
(4) Location.

8. (a) Are any of the parties to the application or non-party equity owners in the applicant related (as husband, wife, father, mother, brother, sister, son or daughter) to each other? ☒ Yes ☐ No

(b) Does any member of the immediate family (i.e., husband, wife, father, mother, brother, sister, son or daughter) of any party to the application or non-party equity owner in the applicant have any interest in or connection with any other broadcast station, pending broadcast application or newspaper in the same area *(see Section 73.3555(c))* or, in the case of a television station applicant only, a cable television system in the same area *(see Section 76.501(a))*? ☐ Yes ☒ No

If the answer to (a) or (b) above is Yes, attach an Exhibit giving full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station. Exhibit No. B

9. State in an Exhibit any interest the applicant or any party to this application proposes to divest in the event of a grant of this application. Exhibit No. -----

OTHER MASS MEDIA INTERESTS

10. (a) Do individuals or entities holding nonattributable interests of 5% or more in the applicant have an attributable ownership interest or corporate officership or directorship in a broadcast station, newspaper or CATV system in the same area? *(See Instruction 8 to Section II.)* ☐ Yes ☒ No

(b) Does any member of the immediate family (i.e., husband, wife, father, mother, brother, sister, son or daugther) of an **individual** holding a nonattributable interest of 5% or more in the applicant have any interest in or connection with any other broadcast station, pending broadcast application, newspaper in the same area *(see Section 73.3555(c))*, or, in the case of a television station applicant only, a cable television system in the same area *(see Section 76.501(a))*? ☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving a full disclosure concerning the persons involved, their relationship, the nature and extent of such interest or connection, the file number of such application, and the location of such station or proposed station. Exhibit No. -----

Section II - LEGAL QUALIFICATIONS (Page 4)

CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS

11. (a) Is the applicant in violation of the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments? *(See Instruction C to Section II.)*

☐ Yes ☒ No

(b) Will any funds, credits or other financial assistance for the construction, purchase or operation of the station(s) be provided by aliens, foreign entities, domestic entities controlled by aliens, or their agents?

☐ Yes ☒ No

If the answer to (b) above is Yes, attach an Exhibit giving full disclosure concerning this assistance.

Exhibit No. -----

12. (a) Has an adverse finding been made or an adverse final action been taken by any court or administrative body as to the applicant, any party to this application, or any non-party equity owner in the applicant in a civil or criminal proceeding brought under the provisions of any law related to the following:

Any felony; broadcast related antitrust or unfair competition; criminal fraud or fraud before another governmental unit; or discrimination?

☐ Yes ☒ No

(b) Is there now pending in any court or administrative body any proceeding involving any of the matters referred to in (a) above?

☐ Yes ☒ No

If the answer to (a) and/or (b) above is Yes, attach an Exhibit giving full disclosure concerning persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), a statement of the facts upon which the proceeding is or was based or the nature of the offense alleged or committed, and a description of the current status or disposition of the matter.

Exhibit No. -----

SECTION III - FINANCIAL QUALIFICATIONS

NOTE: If this application is for a change in an operating facility do not fill out this section.

1. The applicant certifies that sufficient net liquid assets are on hand or that sufficient funds are available from committed sources to construct and operate the requested facilities for three months without revenue. [X] Yes [ ] No

2. State the total funds you estimate are necessary to construct and operate the requested facility for three months without revenue. $ 300,000

3. Identify each source of funds, including the name, address, and telephone number of the source (and a contact person if the source is an entity), the relationship (if any) of the source to the applicant, and the amount of funds to be supplied by each source.

Source of Funds (Name and Address)	Telephone Number	Relationship	Amount
Waterloo Savings Bank Contact: Mr. Dan Watters, President Waterloo Savings Bank West Park at Cedar Waterloo, Iowa 50701	319-235-3285	Financial Institution	$300,000

Section IV-A - PROGRAM SERVICE STATEMENT

Attach as an Exhibit, a brief description, in narrative form, of the planned programming service relating to the issues of public concern facing the proposed service area.

Exhibit No. C

Section IV-B - INTEGRATION STATEMENT

Attach as an Exhibit the information required in 1. and 2. below.

Exhibit No. D

1. List each principal of the applicant who, in the event of a grant of the application on a comparative basis proposes to participate in the management of the proposed facility and, with respect to each such principal, state whether he or she will work full-time (minimum 40 hours per week) or part-time (minimum 20 hours per week) and briefly describe the proposed position and duties.

2. State with respect to each principal identified in response to item 1. above, whether the applicant will claim qualitative credit for any of the following enhancement factors:

   (a) Minority Status
   (b) Past Local Residence
   If Yes, specify whether in the community of license or service area and the corresponding dates.
   (c) Female Status
   (d) Broadcast Experience
   If Yes, list each employer and position and corresponding dates.
   (e) Daytime Preference

Section V-B - FM BROADCAST ENGINEERING DATA	FOR COMMISSION USE ONLY File No. _____ ASB Referral Date _____ Referred by _____

Name of Applicant

Double W, Inc.

Call letters *(If issued)*	Is this application being filed in response to a window? [X] Yes [ ] No
TBA	If Yes, specify closing date: May 6, 1992

Purpose of Application: *(check appropriate box(es))*

- [X] Construct a new (main) facility * See Ex. E Engineering Statement
- [ ] Construct a new auxiliary facility
- [ ] Modify existing construction permit for main facility
- [ ] Modify existing construction permit for auxiliary facility
- [ ] Modify licensed main facility
- [ ] Modify licensed auxiliary facility

If purpose is to modify, indicate below the nature of change(s) and specify the file number(s) of the authorizations affected.

- [ ] Antenna supporting-structure height
- [ ] Effective radiated power
- [ ] Antenna height above average terrain
- [ ] Frequency
- [ ] Antenna location
- [ ] Class
- [ ] Main Studio location
- [ ] Other *(Summarize briefly)*

File Number(s) _____

1. Allocation:

Channel No.	Principal community to be served: City	County	State
253	Cedar Falls	Black Hawk	IA

Class *(check only one box below)*

[ ] A [ ] B1 [ ] B [X] C3

[ ] C2 [ ] C1 [ ] C

2. Exact location of antenna.

(a) Specify address, city, county and state. If no address, specify distance and bearing relative to the nearest town or landmark.

6117 West Ridgeway, Cedar Falls, Iowa (Black Hawk County)

(b) Geographical coordinates (to nearest second). If mounted on element of an AM array, specify coordinates of center of array. Otherwise, specify tower location. Specify South Latitude or East Longitude where applicable; otherwise, North Latitude or West Longitude will be presumed.

Latitude	42 °	28 '	09 "	Longitude	92 °	29 '	05 "

3. Is the supporting structure the same as that of another station(s) or proposed in another pending application(s)? [ ] Yes [X] No

If Yes, give call letter(s) or file number(s) or both. N/A

If proposal involves a change in height of an existing structure, specify existing height above ground level including antenna, all other appurtenances, and lighting, if any.

N/A

SECTION V-S – FM BROADCAST ENGINEERING DATA (Page 2)

4. Does the application propose to correct previous site coordinates? ☐ Yes ☒ No
If Yes, list old coordinates.

Latitude ° ' "	Longitude ° ' "

5. Has the FAA been notified of the proposed construction? ☒ Yes ☐ No
If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available. Exhibit No. N/A

Date 4/6/92 Office where filed Kansas City

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	Witcombe (Pvt)	1.6	335
(b)	Isley (Pvt)	4.5	350

7. (a) Elevation: *(to the nearest meter)*

(1) of site above mean sea level: 296 meters

(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 94 meters

(3) of the top of supporting structure above mean sea level [(a)(1) + (a)(2)] 390 meters

(b) Height of radiation center: *(to the nearest meter)* H = Horizontal; V = Vertical

(1) above ground 85 meters (H)

85 meters (V)

(2) above mean sea level [(a)(1) + (b)(1)] * This figure is from vertical sketch - used to prevent rounding error 382 * meters (H)

382 * meters (V)

(3) above average terrain 100 meters (H)

100 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator. Exhibit No. E1

9. Effective Radiated Power:
(a) ERP in the horizontal plane 25.0 kw (H*) 25.0 kw (V*)

(b) Is beam tilt proposed? ☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field. Exhibit No. N/A

_____ kw (H*) _____ kw (V*)

*Polarization

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 3)

10. Is a directional antenna proposed? ☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field. Exhibit No. N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)? ☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service. Exhibit No. N/A

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal? ☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125 Exhibit No.

15. Attach as an Exhibit a 7.5 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. E2

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. E3

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 6.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 2.59 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 4,762.4 sq. km. Population 171,643

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

[x] Linearly interpolated 30-second database [ ] 7.5 minute topographic map

(Source: N.G.D.C.)

[ ] Other *(briefly summarize)*

SECTION V-B – FM BROADCAST ENGINEERING DATA (Page 5)

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 8 to 16 km (meters)	Predicted Distances	
		To the 6.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	*	*	*
0	* (See Ex. E, Pg #3	for data on 24 radials)	
45	* Radial of city of	license is 22 degrees	
90			
135			
180			
225			
270			
315			

*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement *(See 47 C.F.R. Section 1.1301 et seq.)*

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No

If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311. Exhibit No. N/A

If No, explain briefly why not. Categorically excluded

See Ex. #E4 for RF hazard statement

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation

Doug Vernier
Broadcast Consultant
1600 Picturesque Drive
Cedar Falls, Iowa 50613
319-266-8402

EXHIBIT #E
ENGINEERING STATEMENT

Concerning the Application of
Double W, Inc.
to Construct a New FM Station
at Cedar Falls, Iowa

April, 1992

Channel 253 C3 25 kW

This engineering statement supports the application by Double W, Inc. to construct a new commercial FM station at Cedar Falls, Iowa.

Under the instant proposal, the type approved FM transmitter generates an output power of 8.72 kilowatts. The 1 5/8", Andrew HJ7-50 flexible coaxial transmission line, has an efficiency for its 91.44 meter length (300') of 86.78 percent. Therefore, the proposed E.R.I. FML-6E, six-bay circularly polarized, antenna has at its input 7.57 kilowatts of power. The antenna has a power gain of 3.3028 in both planes resulting in an effective radiated power of 25.0 kW.

Tower and Site: Exhibit # E1 is a vertical sketch showing the proposed tower and side-mounted antenna. The FAA has been notified of the applicant's plans to construct said tower.

Site Map: Exhibit # E2 is full scale section of a 7 1/2 minute U.S. Geological Survey topographic quadrangle map (Hudson, Iowa) showing the exact transmitter location.

Exhibit # E3 is a map of the proposed 1 mV/m F(50-50) contour which shows eight cardinal radials and a city radial at 21.8 degrees. This map was generated by a computer using U.S. Geological Survey Digital Line Graph data which was originally digitized from 1:2,000,000 scale maps. A total of 360 evenly spaced radials were used to plot the 60 and 70 dBu signal contours.

The political boundaries of Cedar Falls, Iowa, the city of licensee, are shown to be fully encompassed by the proposed 70 dBu service contour. The area within the proposed 60 dBu service contour amounts to 4,762.4 square kilometers. This figure was determined by the use of a compensating polar-planimeter. The population within the 60 dBu service contour was calculated to be 171,643 people through the use of a computer program which extracts a population count based on population centriods defined by U.S.

Census 1990 (PL-94-171) digital census data. This program draws data from the following summary level: State-County-Voting District/Remainder-County Subdivision, Place/Remainder-Census Tract/Block Numbering Area-Block Group.

A total of 24 evenly spaced radials were used to determine the antenna height above average terrain. The N.G.D.C. 30 arc second database was used to determine the elevations along the radials which were calculated using the require four-point interpolation method. The elevations along the radials were averaged and the average along each radial was used to calculate the antenna height above average terrain along each radial. The HAAT was then employed in combination with the FCC F(50-50) curves (using the Commission's TVFMINT computer algorithm) to project the distances to the pertinent signal contours along the radials. A tabular listing of these contours is found on page #3 of this exhibit.

Allocation Study: Pages #4 through #6 of this exhibit (Exhibit E) show both a graphic and tabular representation of the distance separations required under the rules. The instant proposal meets all required spacings.

R.F. Hazard compliance: Exhibit #E4 shows compliance with the Commission's R.F. radiation hazard standards.

Intermodulation and blanketing:

There are no other proposed or authorized FM or TV transmitters, non-broadcast radio stations, cable head-ends, or densely populated areas within the blanketing contour of the proposed facility. There are no FM stations within a ten kilometer distance of the proposed facility. A single channel 16 LPTV construction permit station lies at a distance of 9.41 kilometers. Because of its low power, high frequency and considerable distance from the proposed facility inter-modulation products will not be problematic. The blanketing contour of the proposed facility travels 1.97 kilometers. This contour falls primarily over cultivated farm land and a few farm houses. The applicant pledges to correct any complaints it receives of blanketing interference within the blanketing contour, at its own expense, within the first year of operation.

The applicant proposes to install emergency generating equipment at the studio and transmitter site so that the station can continue broadcasting in times of emergencies when the electric power may not be unavailable from the main lines.

Page #7 of this exhibit is a notarized statement attesting to the preparer's qualifications.

TERRAIN AND CONTOUR DATA
Double W, Inc.
Cedar Falls, IA

ERP = 25 kW
FM - 2-6 Tables

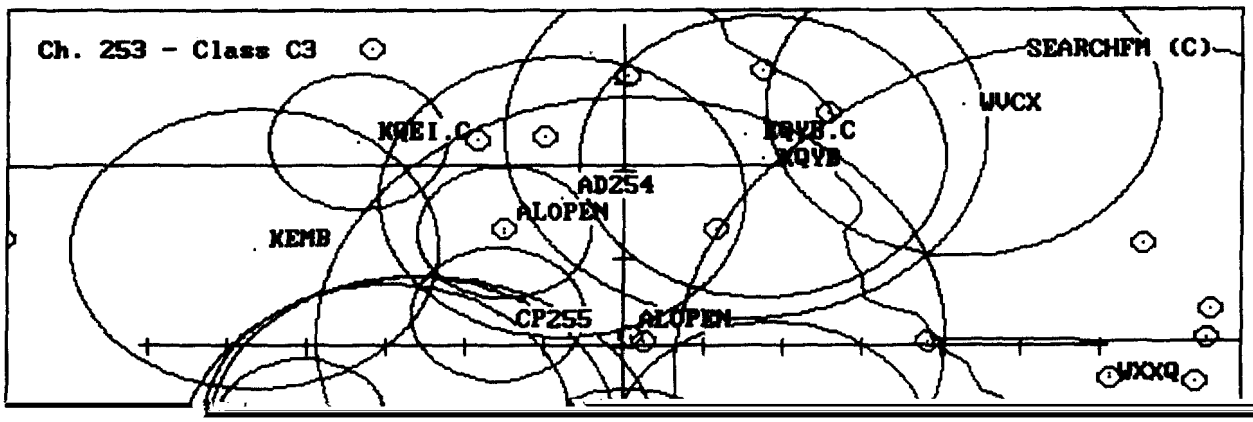
Azimuth Deg T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 70 dBu Contour km	F(50-50) Distance to 60 dBu Contour km
0	268.5	113.1	13.979	24.6	41.1
15	268.9	112.7	13.979	24.6	41.0
30	268.0	113.6	13.979	24.7	41.2
45	266.3	115.3	13.979	24.8	41.4
60	268.9	112.7	13.979	24.6	41.0
75	262.9	118.7	13.979	25.1	41.9
90	266.8	114.8	13.979	24.8	41.3
105	274.3	107.3	13.979	24.0	40.2
120	276.2	105.4	13.979	23.8	39.9
135	281.5	100.1	13.979	23.2	39.1
150	287.3	94.3	13.979	22.6	38.1
165	290.6	91.0	13.979	22.2	37.5
180	292.2	89.4	13.979	22.0	37.2
195	288.2	93.4	13.979	22.5	37.9
210	290.5	91.1	13.979	22.2	37.5
225	292.0	89.6	13.979	22.0	37.3
240	297.6	84.0	13.979	21.3	36.2
255	293.2	88.4	13.979	21.9	37.0
270	295.7	85.9	13.979	21.6	36.6
285	298.2	83.4	13.979	21.2	36.1
300	291.0	90.6	13.979	22.1	37.4
315	283.6	98.0	13.979	23.0	38.7
330	279.3	102.3	13.979	23.5	39.5
345	277.5	104.1	13.979	23.7	39.7
Ave. =	281.6 M	100.0 M			
Other Azimuths:					
22	270.4	111.2	13.979	24.4	40.8

Antenna Radiation Center AMSL = 381.6 M

Geographic Coordinates:

North latitude: 42 28 09
West longitude: 92 29 05

DOUG VERNIER BROADCAST CONSULTANT
1600 PICTURESQUE DR. CEDAR FALLS IA. 50613



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1600 PICTURESQUE DR. CEDAR FALLS IA. 50613

CLASS C3

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
DE252	252C3	Boone	IA	242.3	116.98	99.0	17.98
DE	41 58 49	93 44 23	0.000 kW	0M	72.7	61.5	
	Radio Ingstad of Iowa, Inc.						
CP255	255A	Hampton	IA	288.3	65.62	42.0	23.62
CP CN	42 39 15	93 14 37	6.000 kW	98M	40.8	26.1	
	John Linder			BPH910219MK			930803
WXXQ	253B	Freeport	IL	94.2	238.68	211.0	27.68
LI CN	42 18 45	89 35 38	50.000 kW	122M	148.3	131.1	
	Freeport Radio Associates			BLH840321AC			
KSKB.C	256C2	Brooklyn	IA	178.9	84.34	56.0	28.34
CP CN	41 42 36	92 27 54	50.000 kW	150M	52.4	34.8	
	Florida Public Radio, Inc.			BPH900130IG			920630
>From Channel 257A per D88-263							
KQYB.C	252C2	Spring Grove	MN	23.7	147.11	117.0	30.11
CPM CN	43 40 53	91 45 28	33.000 kW	185M	91.4	72.7	

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1600 PICTURESQUE DR. CEDAR FALLS IA. 50613

CLASS C3

CALL TYPE	CH# LAT	CITY LNG	STATE PWR	BEAR' HT	D-KM D-Mi	R-KM R-Mi	MARGIN (KM)
DE252	252A	Emmetsburg	IA	288.7	191.48	89.0	102.48
DE	43 01 20	94 41 59	0.000 kW	0M	119.0	55.3	
	Radio Ingstad of Iowa, Inc.						
KEMB	252A	Emmetsburg	IA	288.7	191.48	89.0	102.48
LI CN	43 01 20	94 41 59	3.000 kW	91M	119.0	55.3	
	Jacobson Broadcasting Corpora				BLH7417		
KLSN	255A	Jefferson	IA	252.1	163.84	42.0	121.84
LI CN	42 00 59	94 22 26	3.000 kW	31M	101.8	26.1	

A F F I D A V I T

COUNTY OF BLACK HAWK)
- SS.:
STATE OF IOWA)

DOUGLAS L. VERNIER, being duly sworn upon oath, deposes and says:

That he studied engineering at the University of Michigan and that he has received degrees from the University in Radio and Television Communication. That he has been active in broadcast consulting for over 18 years;

That he has held a Federal Communications Commission First Class Radiotelephone License continually since 1964. In 1985 this license was reissued by the Commission as a lifetime General Radiotelephone license no. PG-16-16464;

That he is certified as a Professional Broadcast Engineer (#50258) by the Society of Broadcast Engineers, Indianapolis, Indiana.

That his qualifications are a matter of record with the Federal Communications Commission;

That he has been retained by Double W. Inc. of Iowa City, Iowa and has developed the engineering showings appended hereto;

That he has prepared these engineering showings, the technical information contained in same and the facts stated within are true of his knowledge.

Douglas L. Vernier

Douglas L. Vernier

Sworn to and subscribed before me
this 20th day April ,1992

NOTARIAL SEAL IOWA
KAREN WEBB
MY COMMISSION EXPIRES
9-27-94 Karen Webb

Notary Public

My commission expires: